SOME LITTLE KNOWN PROPERTIES OF 'GAS'

A Few Things About Motor Fuel That Should Be Understood.

The necessity for fuel con ervation has brought the subject of ganolene very prominently before us, making it a fra quent topic of discussion. The fact has impressed me," says William E. Grammet Jr., president of the Stewart Automobile School "that very few people know its

most simple properties. Every one knows how powerful it is and how dangerous, but few know how safe it is and how properly to handle and store it.

"It is generally known that gasolene is derived from crude petroleum by a process of distillation. Other products are kerosene, lubricating oils and greases, and paraffine, all used about an automobile. It has no color of its own. greases, and paraffine, all used about an automobile. It has no color of its own. It bells at a temperature from 116 degrees to 150 degrees Fahrenheit, depending on the grade. It is composed of two such dissimilar elements as hydrogen and carbon. Tas latter is familiar to us in the form of charcoal and hydrogen is a gas, one of the constituents of water. It is a remarkable fact that two such elements as hydrogen and carbon should combine and form a substance with none of the characteristics of either of them.

PASSENGER CAR

PROVES ITS VALUE

Without It Business of All Kinds Would Be Slowed

Down.

By P. C. STOWERS, Head of the Kaufman-Stowers Company

The passenger car is just as essential

at a means of transportation as the

Speed has become a synonym for ef-lency; speed, or efficiency, is the very essence of American life. The passenger car enables a business man to ac

complish more work, to attend to more

ofsither of them.
"The dangerous nature of gasolene is well known, so that it will not be neces-sary to emphasize the following details sary to emphasize the following details of ours necessary in filling tanks: Stop the engine, so that the flame from the exhaust will not set fire to the vapor; put out all open flame lights, such as kerosene or acetylene; prevent spilling, us the vapor may easily be ignited as soon as the engine is started.

"Gasolene should be stored in an un-

"Gasolene should be stored in an underground tank, since it is always cool and the fire danger is completely removed, there being no case on record where an underground tank has exploded. Small quantities may be kept in a case in a well ventilated place. The can should not be air tight, but should allow come vapor to escape in order to avoid dangerous ressure. As this vapor is exceedingly dangerous it must be carried off as fast as formed by thorough ventilation. If allowed to accumulate this vapor sinks to the floor and only needs a fame to cause a disastrous explosion. Therefore, they must plan upon doing their loss.

"On the other hand, gasolene is extennelly safe when properly handled. It
cannot be set on fire by the lighted end
of a cigar or elastic. An electric spark
or a naked flame is required for this.
The real reason for the "No Smoking"
signs in garages and wherever gasolene
is handled is to prevent striking matches.
Many a car has been burned by having handled is to prevent striking matches, handled is to prevent striking matches, details of his business and to keep fany a car has been burned by having more appointments than he could posturning match tossed under it or near sibly hope to do without its help.

Many a car has been burned of the summing match toused under it or near a burning match toused under it or near to burning match toused under it or near to the heavy vapor from the gasolene. The automobile has provided indespensable part of modern business equipment. The annual passenger mile-age of the automobile is greater than that of the entire street car and rail-road systems of the United States.

It has been estimated that the value of the time lost by the people of our other cars. portions, whereas the full tank has so of the solution of the it is nearly full and then you can work on a lesk with perfect safety."

AUTOMOBILE EXCHANGE.



GREAT BODY SALE

Prices Are Remarkably Low Also Ready for Immediate Use. At Any Reisonable Offer Bodies for Packards, Simplexes Cadillacs, Hudsons, Flats, Oldsmot infty other styles, ices \$50, \$7, \$100 & up

At saving of 30% to 50%

Thousands of Tubes, \$1.50 to \$3.75 1,000 Used Shoes, \$5 to \$18 WINTER AUTOS-CHEAP Pine bargains in Limousines, Landaulettes dans, etc. Also Touring and Runabout Care

Jandorf Automobile Co. AUTO & TIRE DEPARTMENTS. 1763 Broadway, near 57th St. Body Dept. "Blue Signs." 317 W. Au-

ROSKAM SCOTT CO. TOWN CAR **Auto Show**

REBUILT & GUARANTEED Late Models.

PINEST SELECTION IN THE U. S. Limoueines—Landauleis—Sedans—Coupes. B'WAY AT 63RD ST. 907 COL

1917 HUDSON SEDAN; in excellent con-dition; looks like new; bargain at \$1.675, BAKER R. & L. N. Y. CORP., 17 Central Park V.

SEDAN BODIES, new, custom-made for upmobiles: discontinuing this branch of usiness; will sell below cost. CHAS. E. IESS & CO., INC., 1741 Briadway.

BECOND HAND CARS—Discontinuing his branch of business stock includes furmobile tourings, reads ers, sedams and dillace and Overlands, etc., he reasonable affers refused. CHAS. E. RIESS & O., 1761, 1741 Broadway.

WANTED—500 AUTOS, Spot Cash Waiting, To daor, telephone or w TOOMF AUTOSOBILE OO, cadway, Telephone Circle 2

Novel Method of Making Republic Truck Salesmen All Around Transportation Experts.

The W. J. B. Motor Company, dis- | tion and diplomas. Mr. Smith's idea is tributer of Republic trucks, with head-quarters in the Circle Building, is de-veloping one of the best service de-lems, road resistance, cost of upkeep.

ALSTADT IS SHELL SHOCKED. But Midget Driver Is Getting or

HIGHWAY WORK AFTER THE WAR

Will Offer Important Means of Absorbing and Therefore Balancing Labor.

"As it becomes more apparent every day that the war will soon he over," says J. B. Hulett of the Brady-Murray Motors Corporation, "the question of the labor conditions to be expected after the war is receiving widespread con-There is no doubt that forlowing the establishment of peace there will be a great readjustment of labor as it turns from the pursuits of war and war industries to those of peace. The inevitable result will be a period when there will ite a large surplus of The more provisions that car be made to absorb this the less hard p there will be.
"The sensible suggestion has been

made that many much needed public improvements which have been held up during the past year will offer a great opportunity for the employment of thousands of men. And all automobile men certainly ought to indorse the recommendation made, by one mobile men certainly ought to inderse the recommendation made by one authority in Motordom, the official pub-lication of the New York State Auto-mobile Association, who says: "Among all public improvements to be made and demanded, public high-ways open a field for greater possibilities than can be found perhaps in any other public endeavor. The development of public endeavor with the co-

ubite highways carries with it the esentials for larger development by furnishing the necessary character of transportation which will make possible re-adjustment of rural and urban life, of agricultural and industrial activities "Highway work planned on a broad scale to be undertaken at the close of tion scheduled for this week has been." ture of the work would make the demand for inhor scattered and furnish wider spread assistance than is possible in any other branch of public work."

and showgooms at 237 West Fifty-

Missing Plug.

because of its neoted condition and no This programme covers ex-replacement is available the condition study of the motor vehicle in may be overcome by disconnecting the warfare, rural express, good roads, inspark plug lead and installing an auxiltercity freight having and the value of lary gap of an eighth or a quarter of an return loads, bus, ambulance and funeral

Liberty Motor Record. Nine hundred Liberty motors in October, 33 of the great war engines in every working day, is the achievement celebrated by Packard men and women on November 1. They exceeded by 10% the quota of 825 set for them by the Aircraft Production Board, and got out their hund with banners to let everybody know about it.

nbout it.

The day to day production during the month fluctuated, governed largely by the supplies of raw materials. On two days the high score of 50 was made, and on three days 40. Most of the time, however, the engine assemblies steed at about 35 a day. What this means in the war programme may be judged from the fact that 35 is a week's production

in many a big alreraft factory in Europe.
Shipments, which involve alter-nate delays and spurts over which

nate delays and spurts over which
the engine makers have no control,
on one day, October 9, reached 35
from the Packard plant.

The question for the Packard for
November is 875, and the question in
the minus of the men and women
who already have besten that mark
is how much higher they can send
their new record. Their enthusiasm
is at high pitch because the first
5,0000 Liberty motors from Packard
is immediately in sight—the total
Packard-built reached 4,724 on October 31—and they want to put the tober 21-and they want to put the 6,000 mark within reach by Thanks-giving day. Thanksdving day is an important anniversary among Packard builders of the Liberty motor, because it was on Thanksgiving day cleven months ago that the first Liberty motor ever made from tools came from the production line of the Packard plant.

POSTPONES BIG EXPOSITION.

Influenza Interferes With Colt-Stratton Company's Plans.

the war would furnish, employment to many thousands of men and would act tan balance wheel to keep labor conditions more nearly normal. The na-

This decision was made by the executives of the company late Wednesday night on account of the sudden increase DEMAR HEADS TIRE COMPANY.

Becomes President of the Carlisle
Sales Company.

sales manager of Charles E. Reiss & to this exposition, the wisdom of it is Carlisie Sales Company, Inc., distributers of the Carlisle Cordition, the wind of the fact that a number of the officials and experts of the Carlisle cordition, with offices and showgooms at 237 West Fifty. perts scheduled to take active part in the week of transportation study are among the recent victims of the influenza.

As soon as conditions permit the ex In cases where a spark plug is missing programme carried out.

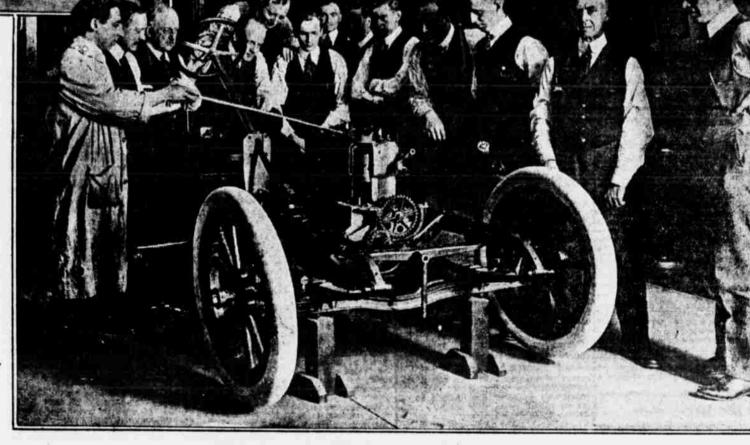
This programme covers exhaustive inch between it and the plug terminal. | work, commercial industries, &c.

veloping one of the best service departments in the city. As originated by Gale V. Smith, vice-president and sales manager, development of this service includes the instruction of all the Republic truck salesmen in the intricacles of trucks salesmen in the intricacles of truck construction and operation at the Atkinson Automobile School. The accompanying photographs show the salesmen at their work in this interest.

The accompanying photographs show the salesmen at their work in this school. A thorough knowledge of automobile mechanics has proved most valuable to these men as they are able now to advise Republic truck users intelligently and keep them out of many difficulties. The course of study included the real is not yet.

The accompanying photographs show to straighten it out. First, he hired the dispersion of the best in the biggest cars with ease. Knowing his driving ability and his grit, he hired the dispersion of the best foremen he could find. Then he established a free monthly inspection service, organized a testing department and finally he gave his salesmen at their work in this special instruction that rounded out his organization into one of unusual efficiency. He is little—but, oh my!

Scraping Bearings.



resent are enabled to greatly extend visit the post office and to deliver his

alls the automobile has made possible the saving of human lives. But perhaps the most far reaching

mean the loss of one of the greatest in the stitutions for happiness and good health in American life—that of the suburban home. Suburban inhabitants depend almost entirely upon the automobile to carry them to and from their work. Without the aid of passenger cars the majority of them would move back to the city, with the result that prices of city property would become exorbitant and country land would slump alarmingly.

Commercial travellers are realising farmers means wasted crops.

Commercial travellers are realising farmer means wasted crops.

the utility of the passenger car. It is

The farmer uses his automobile to enabling them to cover more territory, and the business houses these men rep
farm, to get supplies from town, to

resent are enabled to greatly extend visit the post office and to deliver his vier service.

Scoots By means of his car he is enabled to see how other successful fessional service has been lengthened by its help. In countless emergency ciently and profits thereby. It is very essential in scraping hear-ings that proper mesh of the timing bearing at the other end being lined up gears should be secured. The front bearing determines the position of the

The people of to-day need passenger cars and more passenger cars. They must have them. With the aid of the passenger car people have become more efficient members of society. The passenger car has brought good roads. It is saving time and money. It is a



CHANDLER SIX

Choose the Chandler for Certainty of Service

MEN and women of America are demanding more of their motor cars now than ever before. And rightly so. For the automobile is primarily and essentially an instrument of transportation. There is an element of pleasure at times in the use of an automobile, but above all else is the factor of

Millions of busy Americans drive their automobiles principally just to get some place quickly and get back, to keep appointments, to make things or sell things or buy things, to save time so that they may do more work.

This is a time when men and women of ability and character and energy must do more work. The automobile saves hours every day for them.

If you are choosing a new car this Fall, choose carefully. You don't want to spend wastefully to get the dependable car you need. Choose the Chandler, famous for its marvelous motor and known by nearly fifty thousand owners as a mechanically excellent car, durable and economical.

On the one perfected Chandler chassis are mounted several styles of bodies, all splendidly built and finished and all comfortable. And the Chandler car is fairly priced.

Choose Your Chandler Now

Our allotment of cars is greatly reduced by the curtailed production of the factory. It would be well to place your order now.

SIX SPLENDID BODY TYPES

Four-Passenger Roadster, \$1795 Seven-Passenger Touring Car. \$1795 Four-Passenger Dispatch Car, \$1875 Convertible Coupe, \$2395 Convertible Sedan, \$2495 All prices f. o. b. Cleveland

BRADY-MURRAY MOTORS CORPORATION 1884 Broadway at 62 d Street.

> Farrell Auto. Co. Brooklyn. W.C.D. Motor Car Co. Newark. Hudson Boulevard Garage. Jersey City. CHANDLER MOTOR CAR CO. Chrysland, Oblo

ELDER D-E WORM-DRIVE

TRUCKS



The price of this Day-Elder six-ton truck is \$414.00 below the average price of all five-ton trucks.

Yet Day-Elder trucks are built not to meet a price, but to meet an ideal—the ideal of quality.

The specifications of Day-Elder trucks are practically identical with those of the most expensive worm-drive trucks made.

The experience of New York owners amply proves that Day-Elder trucks fully measure up to the most exacting requirements of heavy duty hauling.

Right now there is a distinct advantage in owning a truck that is manufactured within a few miles of New York.

If any statement in this advertisement seems unusual, we will be glad to prove it.

COLT-STRATTON COMPANY

1847 Broadway

Telephone Columbus 7100

INSPECTION OF DEALERS INVITED

Immediate Delivery



One to Six Tons